

"Dedicated to Public Service"

THE RADIATOR



W6RHC
IRL #8170
Echolink #322788



<http://www.gearsww6rhc.org>

P.O.Box 508 Chico, CA 95927-0508

Founded: August 13, 1939

October, 2016

Coming Events

O.A.R.S. GENERAL MEETING

Second Friday, of month, 7:00 p.m., at St. Paul's Church Parrish Hall, 1430 Pine St., Oroville

G.A.R.S. Second Thursday of month, 4:30 p.m. Lutheran Church Hall, Artois; 4:30 p.m.

G.E.A.R.S General Meeting, third Friday of month, Butte County Search and Rescue Bldg., Chico. Social hour 6:30, meeting at 7:00.

Board Meetings: 2nd Saturday of month

Butte A.R.E.S. MEET: fourth Friday, at Butte County Search and Rescue Building.

FCC EXAMS - GEARS VEC

First Sunday of every even numbered month.
At the Butte County Search and Rescue Building.
Written test at 2:00 p.m. For information or pre-registration call Tom Rider -W6JS; 530-893-9211

Club Events: News and items of interest
GEARS Calendar...all inside.

Website: www.gearsww6rhc.org
www.gearsww6rhc.org



Picture courtesy EVARC

The Prez' Says:

QST de KA6GND



As I write this we are anticipating/hoping for our first rain of the season today, a fire is burning in our woodstove on this 44 degree morning. I am drinking coffee from my "official" GEARS coffee mug and the only thing that could be better at the moment would be on the air! I was on some yesterday and got excited when 10 meters opened enough for me to work Brazil. For my brass pounder friends, I confess, it was on SSB, hi hi.

At our September meeting it was my honor to present Gene Wright, WA6ZRT with a GEARS Life Member award. Gene is so deserving, giving of so much time, talents, dedication and probably even blood, sweat and tears with GEARS over the decades. Thank you again Gene for your love of our hobby and willingness to help others.

The next day dozens of us were at Bidwell Park for the 2016 Steak Bake. It was my first I had a great time. Thank you Evelyn,, Dorothy, Gene and Tom & crew for your work it making this another success.

This coming Saturday October 8th we will hold a workshop at the Search & Rescue building from 9am - 1pm. We will have several hands-on activities for all hams and those checking out our hobby. The purpose of the workshop is to give people an opportunity to experience things that they may not yet had a chance to do. We will have:

- Albert, N6YCK will have his service monitor there to check your radio's frequency, power level and deviation. Bring your ht and/or Mobil radios.

Continued on page 6

Board of Directors Meeting: September 10 2016

ATTENDANCE Anna Horn, Rick Hubbard not present.

MEMBERSHIP APPLICATIONS: None.

OLD BUSINESS:

Minutes of Aug 13 board meeting approved.

Treasurers report: PG&E bill \$22.73, AT&T \$43.19, current balance \$3011.11. Report approved.

Committees:

Raffle: Good for now.

Net Manager: Rick is stepping down as net manager because of work schedule and requests that someone take over.

VEC: none.

Membership: None.

Repeater: Trying to contact Arcom about the software upgrade and are continuing to investigate.

Programs: Chris N6ICW will give talk on wide coverage repeater system.

Steak Bake: Currently there are 32 steaks 8 hamburgers and one salmon burger (that one will be brought).

Buddipole drawing in December: Tickets have been made up and are \$5 apices or \$20 for 5. You can contact Larry KA6GND.

One-day workshop: Saturday October 8th – S&R building. Tentative time will be 8pm to 5pm. Tom will have a session finish up the Buddipole project started. Dale will have a soldering class. Albert will be there with his service monitor to check radios. Scott will there with his van for people to operate HF. Michael will showing how to use a SWR meter analyzer.

Larry has come up with a coffee mug with the club logo and your call sign and name from a local source to sell for \$15.

Nominating committee: Larry and Dale will not be running this year.

ADJOURNMENT: 9:48 am

Dale Anderson,

Secretary



ADJOURNMENT: 10:42 am

Dale Anderson,
Secretary

MINUTES OF GENERAL MEETING for Aug 19 2016

Introductions:

PROGRAM: Chris N6ICW wide coverage repeater system.

ATTENDANCE: Rick not present.

ANNOUNCEMENT:

Next board meeting is on October 15 at 9am at BloodSource.

The next club meeting will be on Oct 21.

The next club breakfast will be on Oct 29 at the Farmers Skillet 9am.

Big ticket item drawing? Dick W6BIN has donated a Buddy Pole for the first big ticket item. \$5 for one and \$20 for 5.

Virginia Periat KI6YIC need's help relocating her antenna.

BloodSource need's someone to operate their emergency radio equipment.

A gears club coffee mug with your name and call sign on it is being offered for \$15.

Next program will be on 60meter and antenna making from Mick N6NIX.

On Oct 8th a work shop will be held at the Butte search and rescue. Class's in soldering, finishing the buddie pole project, Albert with his search monitor to check your radio, how to use a SWR meter, how to build di-poles, Scott will have his van here to operate on hf.

Gene WA6ZRT was presented a life membership award.

Club officer nominating committee is looking for people to run for office.

VEC: Next test will be Oct 1st.

MINUTES: Approved minutes for August.

TREASURER. PG&E bill \$22.73, AT&T \$43.19, current balance \$3011.11. Report approved.

ADJOURNMENT: 20:42 hr.

Dale Anderson,
Secretary



Stunned, astonished—also immensely gratified—long time GEARs member, WA6ZRT Gene Wright Displays his lifetime membership plaque, awarded in a brief ceremony at our September club meeting. Congratulations Gene, a much deserved recognition for all your years of unstinting service and devotion to Amateur Radio and to the Golden Empire Amateur Radio Club, & the community.



President Larry Marcum-KA6GND congratulates Gene Wright WA6ZRT

CAN YOU HEAR ME NOW"

Having Fun With Handy-Talkie's

By Jerry Fuller, W6JRY

A few years back one of the large Cell Phone company's had a number of adds on TV showing some of their people running around various places yelling into their Cell Phones "can you hear me now". This always brought a chuckle to me because that phrase has been used by Ham's every since Amateur Radio has been around. It had started for me in the later part of 1950, I was 15 years old and in my sophomore year of High School, I had received my Amateur Radio license in May and started hanging out on 40 meter CW with three other Hams that attended the same High School. I had built a 100 watt transmitter using a pair of 807's and the other three hams were using converted WW2 surplus Command transmitters and receivers. Out of the four of us Bruce Gordon, W6GUX (now N6OLT) and I liked to build, experiment and modify radio equipment. We both looked forward to the monthly radio magazines and especially the military surplus catalogs chucked full of all kinds of WW2 radio parts and equipment. Their was one thing in particular we both wanted in the worst way, a BC-611 handy- talkie, just think a transceiver you could carry around in your hand and talk to some one. The big problem was the price for one of them in good condition never got below \$50, that was a lot of money to a 15 and 16 year old High School student in 1950. I think our desire for this radio along with a lot of you old timers out there was planted in our brains while going to the Saturday matinee movies in the 1940's and watching John Wayne crawling through the jungle on some South Pacific Island with a BC-611 in his hand.

After giving up on the idea of getting military BC-611 radios we decided to try and build our own Handy-talkie's. After looking through a lot of back issue's of radio magazine's we finally found what we were looking for. QST, April 1946 page 58, The "Tiny Tim" Handy-Talkie. Small and compact it used two 957 acorn tubes and would operate in the 144-MC band. Bruce and I wasted no time gathering up the parts we needed, between his junk box and mine and help from our Elmer's in the local radio club we ended up with every thing we needed except the batteries. The filament battery was no problem at 1 1/2 volt "D" cell but the "B" battery was a 45 volt Burgess and was a bit pricey. Some of you out their may remember the miniature 22 1/2 volt dry charged batteries that were available on the surplus market, you had to fill them with electrolyte with a hypodermic needle, you could get a pack of 4 for \$2, a pair of these in series is what we used for our "B" battery's. By the way in the 1950's just about every boy in our high school wore 501 Levi jeans, you could tell the Auto Shop boys and the Radio Geeks from Electric Shop by the acid holes in their jeans.

After the construction of our Handy-Talkie's was finished it was time for testing. The testing was done at my home as I had my own bench space in my Dad's Electric Motor Repair Shop. We started by standing about 10 feet apart and making tuning adjustments until we could hear each other in our respective radios.

Then we moved out side, our only transportation was our bicycle's. One of us would stand by the Shop while the other would peddle down the road a ways, stop and holler the words "CAN YOU HEAR ME NOW", the road was strait and flat and we could see each other and give hand signals. This was repeated many times, we would take turns on the bicycle and staying at the shop, tuning and re-tuning the radios to get a little more distance, after doing this for about 3 hours and hollering "CAN YOU HEAR ME NOW" it looked like an 1/8 of a mile was all we were going to get out of the radios. Some time later Bruce was able to make a contact with a local ham that had a fixed 2 meter station and a beam antenna over a mile distance with his Handy-Talkie.

Bruce was a year ahead of me in School and after he graduated he moved out of town to take a job to earn money for College, after earning a EE degree he went to work for Raytheon in Santa Barbara until he retired.

After High School I worked for my Dad for three years, then landed a job with Pacific Bell where I spent most of my 38 1/2 years as a Microwave Radio Technician. I continued being very active with Amateur Radio, chasing DX, building projects and QRP activities. I still had an interest in handy-talkie's, by the late 1960's and 1970's with the rapid advancement in technology due to solid state devices there were handy-talkies all over the place for commercial, amateur and CB use. It seemed like every kid in the country was getting a set of Japanese CB handy talkie's for Christmas or birthdays, remember them running around your neighborhood yelling "CAN YOU HEAR ME NOW" or maybe you were one of those kids, maybe you were the one running into the house excitedly telling your Dad I just talked to a guy in Texas, said his name was gear jammer and he was driving a 18 wheeler. It got me to thinking, these little radio's had possibilities.

Some time in the late 1970's I was at a radio swap meet in Sacramento, CA and there on some ones table was a pair of BC-611 WWII handy-talkie's, the holy grail of radios Bruce and I coveted back in 1950. I promptly bought them for \$40. After getting them home it took some minor cleaning of the T/R switch and I had them up and running on 3885 kHz. I had a local ham friend help me with the "CAN YOU HEAR ME NOW" tests, after that I put them on a shelf with my ever growing collection of WWII radios.

In the later part of 1980 AEA Inc. was selling some handheld HF transceivers made by Mizuho, a Japanese Co. several models were available covering one of the HF amateur bands. This looked like the radio I had been looking for, the main selling point for me was it was VFO controlled and could cover 100 KHz of the 10 meter band with two crystals. In February of 1990 I received the DX HANDY MX-28S 10 meter handy-talkie. We were in the peak years of solar cycle 22 and 10 meters was open every day with stations coming in from all over the world. After installing the battery's and connecting the 4 foot loaded whip antenna I started walking around the back yard, I was surprised how sensitive the receiver was. I started working a few stations and right then I set a goal to try and work all states from my back yard in true handy-talkie form with just the 4 foot whip antenna. In the past years I had worked a lot of states and DX with home brew QRP radios but most all of it using good large antennas and all on CW. By June I had 14 states worked (see QST, August 1990 page 13). With any thing you do there is a learning curve like any sport or playing a musical instrument, you reach a series of plateaus and you can feel it when it happens. By December I operated in the ARRL 10 meter contest, this was a big help, I picked up 15 more states. The hardest states to work were the close in ones, OR, NV, AZ, WA. These were worked in the evening on "E" layer skip. By July 1991 all states had been worked and confirmed, I received my WAS, SSB, QRP, Handy-Talkie Certificate in August, 1991. Along the way I had worked 5 of the 6 continents but Africa still alludes me. I still try and operate in the December ARRL 10 meter contest weather permitting, I seem to average around 40 contacts, maybe some of you out there remember working me.

Bruce and I still stay in contact, we are in our 80's now. If he calls me and says "CAN YOU HEAR ME NOW" it means do I have my hearing aid in.

The PREZ Says (continued:)

For ht's, bring your antenna adapter cable if you have one. For mobile rigs bring your power cable and if you have power poles bring it for a way to hook up to power supply.

- BuddiPole antenna construction with Tom, W6JS. If you would like to build or finish your BuddiPole antenna, this is for you!
- Antenna Analyzer operation with Michael, N6FAV. If you have never used one, here's your chance!
- Proper soldering techniques with Dale, KK6EVX. Tired of getting solder on everything but the connection? Then let Dale teach you!
- Dipole antenna construction with Stephen, W6AKF. If you want to learn how to build a dipole antenna – Stephen is your man!
- Operating on HF, VHF, UHF or digital with Scott, KE66VUS and his communication van. Have not operated a radio yet? Here's your chance!

We are now selling raffle tickets at all club events for the wonderful Buddi-Pole antenna system (\$450 value) that Dick – W6BIN so graciously donated. Tickets are \$5 each or 5 for \$20. The drawing will take place at our Christmas party in December. See me for tickets.

At our club General Meeting on October 21st, our guest speaker is Mike Kaliczak, N6NIX. Mike, licensed since 1969 and Captain of the Butte County Sheriff's Communication Reserve, will share with us all about operating and antennas on 60 meters, a little-known but very effective band. Mike will also discuss construction of an effective antenna in limited space for this band.

Prez Says continued:

Mike will also discuss construction of an effective antenna in limited space for this band.

73 and I hope to talk to you on the air soon,

Larry Marcum, KA6GND
GEARS Club President
Ka6gnd@gmail.com
345-5399



Caps embroidered with your name and your call sign may be ordered by contacting WA6ZRT -Gene Telephone #530-345-3515
Now, also, coffee Mugs!

VEC TESTING
2:00 p.m.
December 4, 2016

**AT BUTTE COUNTY
SEARCH & RESCUE
BUILDING**

All Classes
Technician, General and
Extra.

Contact:
Tom Rider-W6JS
530-893-9211



Rustyboy rider@aol.com

Should U.S. Ham Tests be given abroad?

By Dan Romanchik, KB6NU

A couple of weeks ago, I received an e-mail from a reader who wanted my opinion about a thread on the HamRadioHelpGroup mailing list. The e-mail that started the discussion was a message from an American living in Italy who wanted to take the Technician Class exam. In her e-mail, she told of her troubles finding a test session, and then when she did find one, what she perceived as "irregularities" in the testing process. Reading the thread was a little disconcerting, and I blogged about this issue (<http://www.kb6nu.com/u-s-amateur-radio-license-exams-given-outside-u-s/>).

I understand why foreign national go to the trouble of taking the U.S. license exam. Some of them even buy my study guides. About a year ago, for example, I swapped some e-mail with a guy from Malaysia about why he purchased my study guide and why he wanted a U.S. license. He said that it was because a neighboring country offered reciprocal operating privileges to U.S. licensees, but not Malaysian licensees! He mentioned that he tested for the license in Thailand.

Basically, my Malaysian friend was using the U.S. licensing process to circumvent the Malaysian licensing process. Australians seem to do this, too. Apparently, according to one of the VKs who commented on the thread, getting a U.S. Tech license is easier than testing for an Australian Foundation license. So, some Australians get a U.S. Tech license first, then get the Australian government to issue them a VK Foundation license based on the reciprocal operating agreement between the U.S. and Australia.

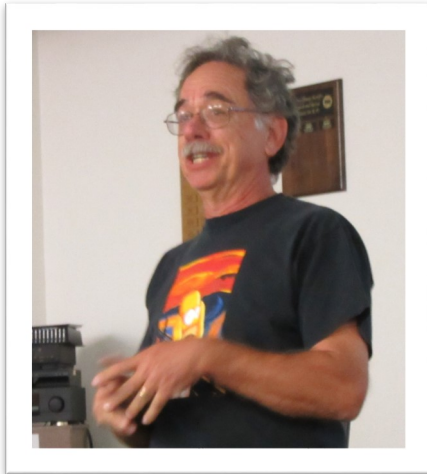
Another reason that some outside the U.S. obtain U.S. amateur radio licenses is the challenge. That's the reason Martin Butler, M0MRB/W9ICQ, of ICQPodcast fame, gave when I spoke to him about this recently.

Are these reasons "good enough" to continue this program of licensing non-U.S. citizens? My first reaction was that no, it's not good enough, and I questioned whether or not the ARRL VEC should sanction non-U.S. VEs and whether or not the FCC should even allow testing outside of the United States.

I didn't see the need for conducting these test sessions or the desirability (to the U.S.) of licensing foreign nationals. I reasoned that not only was there a greater possibility of test fraud, this program could lead to foreign authorities claiming that the U.S. was meddling in their affairs.

This post garnered a lot of comments. Several of them took me to task for voicing this opinion and were in favor keeping the current licensing program in place. There were a variety of reasons.

One of the reasons in favor of using the U.S. licensing process is that in many countries, amateur radio license exam sessions are not very frequent. Another is that they often are quite expensive. This creates an artificial barrier to getting an amateur radio license. Using the U.S. licensing system breaks through this barrier and allows many more to enjoy amateur radio. (continued page 8)



The September meeting program was a presentation by Chris N6ICW on wide coverage repeater systems. His program was informative, witty and enjoyable. Thank you Chris.

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What is going on with the sun?

NEARLY-SPOTLESS SUN: With the departure of active region AR2597, the sunspot number is dropping to zero again. This continues [a year-long trend](#) of falling sunspot numbers that heralds the approach of Solar Minimum. Weekend forecast: blank suns and no solar flares.

What does this mean? Blank suns herald the coming of Solar Minimum.

The sunspot cycle is like a pendulum, swinging back and forth with a period of 11 or 12 years. Right now the pendulum is swinging toward low sunspot numbers. Forecasters expect the cycle to hit rock bottom in 2019-2020. Between now and then, there will be lots of spotless suns. At first, the blank stretches will be measured in days; later in weeks and months. The current blank spell is the 4th such interval of 2016, so far.

Because solar flares subside during Solar Minimum, many people think space weather goes away during this time. Not so. Solar Minimum brings many interesting changes. For instance, as the extreme ultraviolet output of the sun decreases, the upper atmosphere of Earth cools and collapses. This allows space junk to accumulate around our planet. Also, the heliosphere shrinks, bringing interstellar space closer to Earth. Galactic cosmic rays penetrate the inner solar system with relative ease. Indeed, there is already [evidence of increasing radiation](#) in Earth's atmosphere--a matter of keen interest to air travelers and possible space tourists.

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Romanchik continued from page 7:

Of course, for everything to be on the up and up, the foreign authorities would have to condone the use of U.S. license tests. Apparently, this is the case in Thailand and Australia. I don't know about Italy, but I'm guessing that the authorities there don't really care about Italians obtaining U.S. licenses.

Perhaps the best comment came from Thida, HS1ASC/KH6ASC. He noted that the tests in Thailand were administered very strictly, and says, "The U.S. may lose some callsigns, but what the U.S. and U.S. hams get from us is goodwill, very positive feeling. Everyone who gets U.S. license is so proud, and others look at them respectfully." Since Part 97.1(e) lists as one of the purposes of amateur radio, "Continuation and extension of the amateur's unique ability to enhance international goodwill," I'm now all in favor of offering U.S. ham tests abroad.

###

Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com, and you can contact him by e-mailing cwgeek@kb6nu.com.

Jamboree on the Air (JOTA) Stations Encouraged to Register and File Post-Event Reports

Scouting's Jamboree on the Air (JOTA) officials are asking JOTA 2016 participants not only to [register](#) for this year's event, but to follow up with a post-JOTA report. As an incentive, all stations filing reports will automatically be entered to win an Icom ID-51A handheld transceiver. The 59th annual JOTA takes place October 14-16.

"Last year we had 400 stations register but only 200 stations file a report," said JOTA Coordinator Jim Wilson, K5ND. "We're going to improve that this year. Icom America and Ray Novak, N9JA, have stepped up to help us with a considerable incentive."

Wilson pointed out that only BSA stations will be eligible to win. "These prizes are for the station. It's up to you to determine who gets it or how you share it," he said. "Of course, everyone who files a report will receive the 2016 Jamboree on the Air Certificate."

More than 1 million Scouts in 150+ countries -- at nearly 18,000 stations -- are expected to take part in JOTA 2016, engaging with other Scouts to talk about Amateur Radio and their Scouting experiences. "JOTA is about conversations across town and around the world, rather than about contacts," **Wilson** said.

The JOTA reporting system will open right after JOTA weekend; reports are due on November 1, with the prize drawing held that week. "Designate someone on your team to collect the information needed for your report," Wilson recommended, pointing to a list of "[best practices](#)" to ensure a report that "truly captures your event."

JOTA [Guidelines for Amateur Radio Operators](#) are available online. Among other advice, the operating guide points out that US Scouts may speak directly with Scouts in other countries as long as a [third-party agreement](#) exists between that country and the US. A [Scout station spotting cluster](#) will also be available this year, to show who's on the air and where. Dave Edwards, KD2E, and Andy O'Brien, K3UK, have developed a [Scout scheduling page](#) for teams to post their frequencies.

JOTA stations have been asked to avoid other operating activities taking place over the October 14-16 weekend, including the [Worked All Germany](#) Contest. Four state QSO parties are also taking place over JOTA weekend -- Illinois, Iowa, New York, and South Dakota. Wilson also asked for the cooperation of testers.

"As you participate in these or other contests that weekend, please keep in mind that Scouts will be on the air at the same time," Wilson advised competitors. "For most, this will be their first experience with Amateur Radio. Please be courteous and, where possible, provide some contest-free space around their ongoing QSOs near the Scouting frequencies. After all, they are the next generation of ham operators -- or not."

Note: Circumstances beyond their control dictated that JOTA for Butte County Scouts be cancelled for 2016. Be Assured JOZTA will be back in full participation 2017! Scouts anxious to participate this year are being referred to Yuba County JOTA.

TUBE OF THE MONTH—152T

The 152T is a 150 watt triode with a μ of 10 made with two 75T triodes placed in parallel. They are usable up to 40 MHz at full rating. The first example is very early and has a stepped envelope and no "bulge" where the glass was sealed. It also has an unusual brown base. The second example was made in August, 1944 and an Eimac patent, [2,355,717](#), dated Febuary 1941 illustrates the same flattened top. An interesting advantage of this tube as described in the patent was to only use one side of the tube until it failed and then turn it around and use the other side. The unused side could also be employed as a neutralizing capacitor. Early in WWII, the 152Ts were used as RADAR pulse modulators. The 152T was replaced by the [152TH](#) and the [152TL](#).

Length = 7.63" Diameter = 2.57"

Max voltage = 3000

Max current = 450 ma

Fil voltage = 5 or 10

Fil current = 12.5 or 6.25 amps



The GEARS Newsletter Staff:

Editor and Publisher.....Dorothy Post
Printing & Distribution snail mail: Evelyn Weir
Website...Stephen McDermott W6AKF

The Radiator is a monthly publication of the Golden Empire Amateur Radio Society (GEARS). It is the policy of the Editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio, of interest to GEARS members, and space is available. Please send all submissions to the Editor – Dorothy Post by the last day of the month through the following medium:
 E-mail: dj@posthouse.us

Club Officers: (Board of Directors)

PresidentLarry Marcum-ka6gnd
 Vice President..... Stephen Wolske-kf6hss
 Secretary Dale Anderson-kk6evx
 Treasurer.....Rick Hubbard-ki6vos
 Past PresidentAnna Horn Kg6goa
 Director..... Tom Rider-W6JS
 Director.....Gene Wright-wa6zrt
 Director.....Raymond Foulks-kg6mrk

Club Meetings

General Meeting Third Friday 7:00 PM
Board Meeting Second Saturday

GEARS Club Net

Tuesdays 7:30 PM 146.850 MHz-PL 110.9

**GARS Club Net:Monday,7:00 pm 147.105+Mhz
 PL 110.09**

Thursdays Simplex Net 7:30 p.m. 146.52

Sacramento Valley Traffic Net

Nightly 9:00 PM 146.850 MHz-PL 110.9

ARES Nets:

Butte Mondays 20:00 146.850 MHz-PL 110.9
Yuba Sutter Thursdays 19:00 146.085+MHz PL 127.3
Glenn Thursday 19:30 147.105 MHz +PL 100.0

Other Nets:

**Sac Valley Section Net—7:00 PM 2nd Wed of the month
 146.085 MHz+PL 127.3**

440 Wed. Night 8:00 PM Wednesday 440.650 MHz

Golden Bear 7:00 PM Daily 3975 kHz

Willie Net 8:00 PM Mondays 1930 kHz

**Western Public Service System (WPSS)
 7:30 PM 3952 kHz**

**ARISS (International Space Station) Uplink 144.490
 MHz Downlink 145.800 MHz**

Hope-1 satellite: all uplinks are in 145Mhz band:

All downlinks are in 435Mhz band

...California Traffic Net: 3906 KHz nightly @6:00 pm

For traffic listing & @6:30 p.m. for roll call.

PACIFICON CONVENTION

**Pacificon, an ARRL Convention, will be held
 October 14-16, 2016 at the San Ramon
 Marriott, 2600 Bishop Drive, San Ramon,
 CA.**

**The Talk-In frequency will be on the
 Mount Diablo Repeater at,147.060 with a
 PL 100 Hz, call sign W6P.**

Pacificon gives you three great days of activities for one low cost: A full slate of outstanding Forum presentations about a wide range of amateur radio topics; a large Vendor Expo filled with exciting products and exhibits; an outdoor Swap Meet, great QRP activities, a Youth Forum and great Youth Activities, including electronics kit building and soldering classes; a One Day License Prep Class to prepare you to pass the amateur radio Technician license examination and get your first amateur radio license;; a chance to hear about and discuss important national amateur radio issues with top ARRL leaders; a chance to win radios and other great prizes throughout the convention, and perhaps the best part - a chance to interact and share information with lots of other amateur radio enthusiasts to further (or begin) your own knowledge and to advance the hobby.

Tickets are \$25.00 in advance (thru Oct. 3rd) or \$30.00 at the door.

Website: <http://www.pacificon.org>

**For more information send an email to
info@pacificon.org or call (925) 288-1730.**

Date	Time	Event	Location	Contact party
Sunday, October 2 December 4	2:00 p.m.	VEC—Exams	Butte Co. Search & Rescue Building 2591 Morrow Lane, Chico	Tom Rider 530-893-9211
Thursday October 13, 2016	4:30 p.m. Board and General Meeting .	GARS-Glenn Glenn Amateur Radio Society \\	Lutheran Church Hall: Artois	Albert Leyva 530-567-5979
Saturday October 8	9:00 a.m. to 1:00 a.m	GEARS WORKSHOP See Prez Says & Meeting Minutes for info	Butte Co. Search & Rescue Building	Larry Marcum K6GND 530 345 5399
Friday, October 14, 2016		OARS Oroville Amateur Radio Society General Meeting	St Paul's Church Parrish Hall 1430 Pine Street Oroville	Ron Osborne-kd7uhf 530 589 1834 kd7uhf@yahoo.com
Saturday October 15, 2016	Board meet: 9:00 a.m.	GEARS Board of Directors Meet Members are Invited!	Blood Source Blood Source Bldg 555 Rio Lindo Ave	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
Friday October 21, 2016	General Meeting Social 6:30 p.m. Program: At 7:00 General meeting 8:00 p.m.	GEARS Golden Empire Amateur Radio Society	Butte County Search and Rescue Building 2591 Morrow Lane Chico	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
Saturday October 29	9:00 a.m.	GEARS CLUB BREAK- FAST	Farmers Skillet Rio Lindo & Cohasset	

**Bring Your Old Eyeglass Wear to GEARS for the
LIONS Club Eyeglasses donation Box**
Prescription glasses, or magnifying eyeglasses, sunglasses, but no loose lens—frames are a necessity.
This is a club community effort in which all members may participate with minimal effort.

!Donations to GEARS are TAX DEDUCTIBLE!

We are a 501 c 3 organization, and as such, donations cash, or materials, donated to GEARS are Tax deductible. When you donate to GEARS, be sure you receive a letter of acknowledgment from our Secretary as proof of the donation and its value for the State and Federal Tax Authorities. This is a win-win for GEARS and for you, the member or the party donating!